

Converting Colors

$Y_{xy}(20.7665, 0.3402, 0.3980)$

Have a look what the booklet for
Yxy(20.7665, 0.3402, 0.3980)
contains.

Yxy(20.7665, 0.3402, 0.3980)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(20.7665, 0.3402, 0.3980)$

Conversions

Conversions Part 1

Format	Color
Hex	78825E
RGB	120, 130, 94
RGB Percent	47%, 51%, 37%
CMY	0.5293, 0.4902, 0.6314
CMYK	0.08, 0.00, 0.28, 0.49
HSL	77°, 16%, 44%
HSV	77°, 28%, 51%
XYZ	17.7507, 20.7665, 13.6600
YIQ	122.9060, 5.5960, -13.3160

Conversions

Conversions Part 2

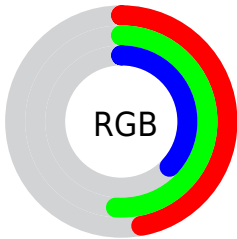
Format	Color
RYB	94, 130, 104
Decimal	7897694
CIELab	52.69, -10.29, 18.31
CIELCh	53, 21.008, 119.330
Yxy	20.7665, 0.3402, 0.3980
Android (android.graphics.Color)	4286087774 (0xFF78825E)
YUV	122.9060, -14.2507, -2.5486
Hunter-Lab	45.5703, -10.2182, 14.1266

Details

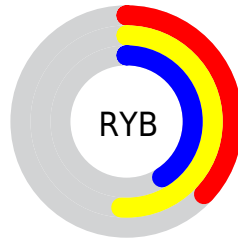
The Yxy color $20.7665, 0.3402, 0.3980$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.5564, 0.2797, 0.2557$, and the grayscale version is $19.8224, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.7955, 0.3345, 0.3814$, and $7.4297, 0.3502, 0.4298$ is the 20% darker color. If you saturate the color by 10%, you get $20.3006, 0.3496, 0.4243$, and if you desaturate by 10%, it is $21.2832, 0.3303, 0.3721$.

Distribution



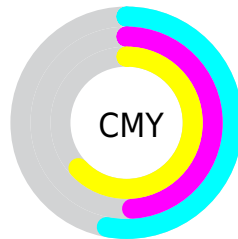
- Red (47%)
- Green (51%)
- Blue (37%)



- Red (37%)
- Yellow (51%)
- Blue (41%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)
- Black (49%)





- Cyan (53%)
- Magenta (49%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7665, 0.3402, 0.3980 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 20.7665, 0.3402, 0.3980 by changing the saturation by 10% instead.


 20.7665, 0.3402,
0.3980


 20.7665, 0.3402,
0.3980


256.0350, 0.3252,
0.3581


 12.9534, 0.3443,
0.4103


 44.6986, 0.3345,
0.3819


 7.3965, 0.3496,
0.4278


 61.5864, 0.3324,
0.3764

 3.7113, 0.3567,
0.4544

 82.2679, 0.3307,
0.3719

 1.5134, 0.3860,
0.5271

 107.1276, 0.3292,
0.3682

 0.2981, 0.0974,
0.9026

136.5497, 0.3280,
0.3650

 0.0000, 0.0000,
0.0000

170.9187, 0.3269,

0.3624

210.6190, 0.3260,
0.3601

■ 20.7665, 0.3402,
0.3980

■ 20.7665, 0.3402,
0.3980

■ 20.3006, 0.3496,
0.4243

■ 21.2832, 0.3303,
0.3721

■ 19.8808, 0.3580,
0.4502

■ 21.8499, 0.3203,
0.3472

■ 19.5056, 0.3651,
0.4746

■ 22.4694, 0.3105,
0.3237

■ 19.1726, 0.3704,
0.4966

■ 23.1434, 0.3010,
0.3019

■ 18.8791, 0.3734,
0.5151

■ 23.8734, 0.2919,
0.2819

■ 18.6219, 0.3741,
0.5295

■ 24.6611, 0.2834,
0.2636

■ 18.3942, 0.3728,
0.5401

■ 25.5080, 0.2755,
0.2470

■ 18.3435, 0.3725,
0.5424

■ 26.4155, 0.2682,
0.2320

■ 27.3849, 0.2615,
0.2185

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.7665, 0.3723, 0.3908



20.7665, 0.3402, 0.3980



20.7665, 0.3019, 0.3837

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.7665, 0.3402, 0.3980



20.7665, 0.2419, 0.2842



20.7665, 0.3578, 0.3065

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.7665, 0.3402, 0.3980



12.5564, 0.2797, 0.2557

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.7665, 0.3201, 0.2819



20.7665, 0.3402, 0.3980



20.7665, 0.2545, 0.2684

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.7665, 0.3402, 0.3980



20.7665, 0.2466, 0.3142



20.7665, 0.2824, 0.2682



20.7665, 0.3836, 0.3370

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.7665, 0.3402, 0.3980



20.7665, 0.2782, 0.3636



20.7665, 0.2824, 0.2682



20.7665, 0.3459, 0.2973

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.7674, 0.3402, 0.3980



38.4305, 0.3208, 0.3484



15.3725, 0.3649, 0.3477



8.6678, 0.3221, 0.3516



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7674, 0.3402, 0.3980



36.0669, 0.3460, 0.4139



19.6205, 0.3188, 0.4029



4.9614, 0.3217, 0.3506



17.5927, 0.3726, 0.5424



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.5564, 0.2797, 0.2557



19.1960, 0.2709, 0.2375



13.7236, 0.3039, 0.2607



4.2649, 0.3032, 0.3070



1.9084, 0.1701, 0.0711



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.7665, 0.3402, 0.3980 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 20.7665, 0.3402, 0.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

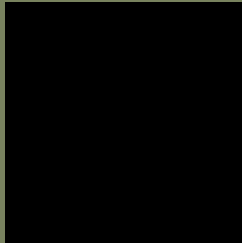
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

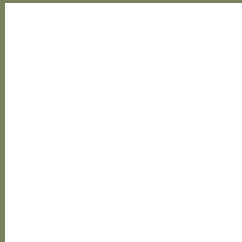
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.7665, 0.3402, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 20.7665, 0.3402, 0.3980.



This preview shows how white text looks on a background with the Yxy color 20.7665, 0.3402, 0.3980.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.7665, 0.3402, 0.3980

Protanopia

20.5908, 0.3638, 0.3890

Deuteranopia

20.5734, 0.3788, 0.3704



Tritanopia

20.8521, 0.3030, 0.3110

Trichromacy



Original Color

20.7665, 0.3402, 0.3980

Protanomaly

20.7149, 0.3552, 0.3919

Deuteranomaly

20.6448, 0.3647, 0.3811

Tritanomaly

20.8199, 0.3169, 0.3420

Monochromacy



Original Color

20.7665, 0.3402, 0.3980

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2291, 0.3236, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7665, 0.3402, 0.3980 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 130, 94)` looks like.

```
.text, #text, p{  
    color:rgb(120, 130, 94)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 130, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 130, 94) }
```

Border

The CSS property to change the border of an element to Yxy 20.7665, 0.3402, 0.3980 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 130, 94) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(120, 130, 94) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(120, 130, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 130, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 130, 94);  
box-shadow:4px 4px 4px 4px rgb(120, 130,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7665, 0.3402, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 130, 94) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120,  
130, 94) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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